L Number	Hits	Search Text	DB	Time stamp
1	93	THACKERAY-J-.in. THACKERAY-JAMES-.in. THACKERAY-JAMES-W-.in. THACKERAY-J-W-.in. ORSULA-GEORGE-W-.in. ORSULA-GEORG-W-.in. ORSULA-G-W-.in.	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2002/08/20 17:06
2	3317	430/155,322,324,327,950.ccls.	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2002/08/20 17:07
9	22154	(anthracene or (anthracenyl or anthryl))	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2002/08/20 17:09
3	64	(anthracene or (anthracenyl or anthryl)) with ((antireflecti$3 or anti-reflecti$3 or anti adj reflecti$3) or (antihalati$3 or anti-halati$3 or anti adj halati$3))	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2002/08/20 17:10
4	17	(anthracene or (anthracenyl or anthryl)) with ((antireflecti$3 or anti-reflecti$3 or anti adj reflecti$3) or (antihalati$3 or anti-halati$3 or anti adj halati$3)) with ((cross-linker or crosslinker or cross adj linker) or (cross-link$3 or crosslink$3 or cross adj link$3))	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2002/08/20 17:12
5	47	((anthracene or (anthracenyl or anthryl)) with ((antireflecti$3 or anti-reflecti$3 or anti adj reflecti$3) or (antihalati$3 or anti-halati$3 or anti adj halati$3))) not ((anthracene or (anthracenyl or anthryl)) with ((antireflecti$3 or anti-reflecti$3 or anti adj reflecti$3) or (antihalati$3 or anti-halati$3 or anti adj halati$3)) with ((cross-linker or crosslinker or cross adj linker) or (cross-link$3 or crosslink$3 or cross adj link$3)))	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2002/08/20 17:13
6	28	(anthracenyl$ or anthracene or (anthracenyl or anthryl)) same ((antireflecti$3 or anti-reflecti$3 or anti adj reflecti$3) or (antihalati$3 or anti-halati$3 or anti adj halati$3)) same (cross-link$3 or crosslink$3 or cross adj link$3)	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2002/08/20 17:13
7	89	((anthracenyl$ or anthracene or (anthracenyl or anthryl)) same ((antireflecti$3 or anti-reflecti$3 or anti adj reflecti$3) or (antihalati$3 or anti-halati$3 or anti adj halati$3))) not ((anthracenyl$ or anthracene or (anthracenyl or anthryl)) same ((antireflecti$3 or anti-reflecti$3 or anti adj reflecti$3) or (antihalati$3 or anti-halati$3 or anti adj halati$3)) same (cross-link$3 or crosslink$3 or cross adj link$3))	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2002/08/20 17:15
10	118	430/155,322,.324,327,950.ccls. and ((anthracene or (anthracenyl or anthryl)))	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2002/08/20 17:16

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=>
Uploading C:\Program Files\Stnexp\Queries\nicole.str

L1      STRUCTURE UPLOADED

=> que L1

L2   QUE L1

=> d
L2 HAS NO ANSWERS
L1                  STR
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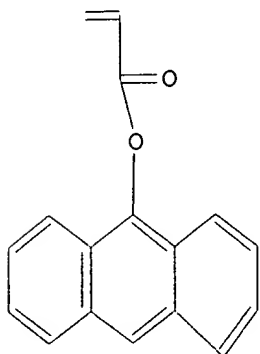


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Structure attributes must be viewed using STN Express query preparation.
L2               QUE  ABB=ON  PLU=ON  L1


=> s l1 sss sam
SAMPLE SEARCH INITIATED 11:06:38 FILE 'REGISTRY'
SCREENING
SCREENING
SAMPLE SCREEN SEARCH COMPLETED -     34 TO ITERATE

100.0% PROCESSED     34 ITERATIONS                        1 ANSWERS
SEARCH TIME: 00.00.43

FULL FILE PROJECTIONS:  ONLINE  **COMPLETE**
                        BATCH   **COMPLETE**
PROJECTED ITERATIONS:        331 TO      1029
PROJECTED ANSWERS:             1 TO        80

L3              1 SEA SSS SAM L1

=> file caplus uspatfull
COST IN U.S. DOLLARS                     SINCE FILE      TOTAL
                                            ENTRY       SESSION
FULL ESTIMATED COST                          0.96        1.11

FILE 'CAPLUS' ENTERED AT 11:07:49 ON 19 FEB 2002
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FILE 'USPATFULL' ENTERED AT 11:07:49 ON 19 FEB 2002
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=> s l3 full
L4              1 L3
```

=> d 14 ibib abs hitstr

L4   ANSWER 1 OF 1   CAPLUS   COPYRIGHT 2002 ACS
ACCESSION NUMBER: 1999:361422   CAPLUS
DOCUMENT NUMBER: 131:145762
TITLE: Crosslinking vs. interdiffusion rates in
                          melamine-formaldehyde cured latex coatings: A model
                          for waterborne automotive basecoat
AUTHOR(S):   Winnik, Mitchell A.; Pinenq, Patrick; Kruger,
                          Christian; Zhang, Jianxin; Yaneff, Philip V.
CORPORATE SOURCE: University of Toronto, Can.
SOURCE: J. Coat. Technol. (1999), 71(892), 47-60
                          CODEN: JCTEDL; ISSN: 0361-8773
PUBLISHER: Federation of Societies for Coatings Technology
DOCUMENT TYPE: Journal
LANGUAGE: English

AB   Designing optimal formulations for automotive waterborne basecoats can be
      fairly complex, often requiring knowledge of events that occur at the mol.
      level. The ultimate performance of the coating can depend upon the
      success with which this knowledge is applied. We examine a system in
      which an aq. dispersion of an acrylic latex with -OH functionality reacts
      with a melamine deriv. when heated. We use fluorescence-labeling and
      energy transfer measurements to obtain information on the relative rates
      of crosslinking and interparticle polymer diffusion in these films. We
      show that temp. and particle morphol. play an important role in the
      development of film properties. Finally, these energy transfer expts.
      provide information on the location of the melamine-formaldehyde resin in
      the dry film before the onset of crosslinking. This system can serve as a
      model for waterborne basecoat development in many automotive applications.
IT   236390-13-9, 9-Anthryl methacrylate-butyl methacrylate-2-
      hydroxyethyl methacrylate-methacrylic acid copolymer
      RL: PEP (Physical, engineering or chemical process); POF (Polymer in
      formulation); TEM (Technical or engineered material use); PROC (Process);
      USES (Uses)
          (crosslinking vs. interdiffusion rates in melamine-formaldehyde-cured
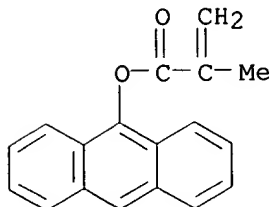   methacrylic waterborne automotive basecoats)
RN   236390-13-9 CAPLUS
CN   2-Propenoic acid, 2-methyl-, polymer with 9-anthracenyl
      2-methyl-2-propenoate, butyl 2-methyl-2-propenoate and 2-hydroxyethyl
      2-methyl-2-propenoate (9CI) (CA INDEX NAME)
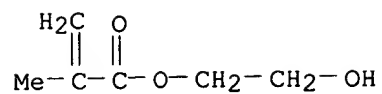
      CM   1

      CRN 32468-70-5
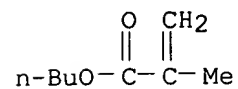   CMF C18 H14 O2

      CM   2
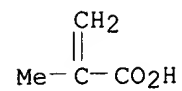
      CRN 868-77-9
      CMF C6 H10 O3

H2C   O
 ‖   ‖
Me—C—C—O—CH2—CH2—OH

CM   3

CRN   97-88-1
CMF   C8 H14 O2

O   CH2
‖   ‖
n-BuO—C—C—Me

CM   4

CRN   79-41-4
CMF   C4 H6 O2

CH2
‖
Me—C—CO2H

REFERENCE COUNT: 27   THERE ARE 27 CITED REFERENCES AVAILABLE FOR THIS
                                RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT